

ACCESSION NR: AP4037397

S/0106/64/000/005/0014/0021

AUTHOR: Bazelyan, L. L.; Bruk, Yu. M.; Zhuk, I. N.; Men', A. V.; Shary*kin, N. K.

TITLE: Wide-band highly directional antenna for decameter wavelengths

SOURCE: Elektrosvyaz', no, 5, 1964, 14-21

TOPIC TAGS: antenna, directional antenna, highly directional antenna, wide band antenna, wide band highly directional antenna, beam-width electric control, half wave dipole, shunt dipole, cylindrical dipole, array element, antenna element, antenna efficiency, antenna gain

ABSTRACT: A receiving antenna intended for radioastronomical investigation of discrete sources and cosmic background in the 20--40-mc range is described. The antenna was designed on the principle that the electric control of the beam at large scanning angles can be realized by phasing low-directional discrete elements, whose large

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51"

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number insures the required degree of resolution. The antenna array, located along the W-E line, consists of 128 half-wave wide-band cylindrical dipoles arranged in 4 rows, each carrying 32 dipoles. The cylinders, formed by 18 elements of 8 mm each, are 1 m in diameter. The distance between array-element centers along and across the array is 5.5 m. The array elements are suspended 3 m above the ground. The signal excited in each element is transmitted to the output of each row through a matching balancer, three adders, and three coaxial cables with a total length of 101 m. The toroidal ferrite transformers used as adders made it possible in the 10- to 60-mc range to achieve a VSWR of 1.05 or better at a rated load with an efficiency of 95 to 97% or better. The electric control of the beam, which is accomplished by inserting delay cables between the adder and the output of each row, is carried out only in the N-S plane. The radiation pattern and gain of the antenna were determined by the simultaneous recording of signals from Cassiopea-A received with the antenna described and a standard interferometer consisting of two half-wave dipoles and subsequent comparison of the

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results. At the same time the effective area (gain) was calculated by computer. Good agreement of experimental and theoretical data indicates that the antenna gain calculated on the basis of the gain found experimentally for the elevation of 81° will be close to actual, at least for the case of higher elevations. Orig. art. has: 11 figures and 1 formula.

ASSOCIATION: none

SUBMITTED: 04Mar63

DATE ACQ: 09Jun64

ENCL: 00

SUB CODE: EO

NO REF SOV: 004

OTHER: 002

Card 3/3

ACCESSION NR: AP4033119

S/0120/64/000/002/0096/0100

AUTHOR: Bruk, Yu. M.; Men', A. V.; Bazelyan, L. L.

TITLE: Measuring the parameters of multiple-unit antennas

SOURCE: Pribery* i tekhnika eksperimenta, no. 2, 1964, 96-100

TOPIC TAGS: antenna, multiple unit antenna, electrically steerable multiple unit antenna, musa, radioastronomic antenna, antenna parameter measurement, musa parameter measurement

ABSTRACT: A method of measuring the parameters of a multiple-unit electrically steerable antenna (musa) under operating conditions without introducing noticeable distortion into its circuit is considered. A low-loss measuring line is connected between the output point being measured and the load (radiators), and the values of loop and node voltages are noted. Then, a calibrated attenuator is connected in place of the multipole being tested, and the attenuator is adjusted until the same values of the loop and node voltages are attained. Simple formulas yield the values of the attenuation and efficiency of the antenna; the impedance,

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radiation power, currents, etc., can also be measured by this method. The errors involved are theoretically assessed. The method was used in practice to measure the efficiency of a 128-unit electrically steerable radioastronomic antenna described by L. L. Bazelyan, et al. (Elektrosvyaz', 1964, no. 4). A 52-ohm multiprobe automatic measuring line was used. Estimated and measured efficiency curves are shown for frequencies within 20-40 mc. "In conclusion, the authors wish to thank P. A. Mel'yanovskiy and V. V. Krymkin for their help in carrying out the experiments." Orig. art. has: 4 figures and 13 formulas.

ASSOCIATION: Institut radiofiziki i elektroniki AN UkrSSR (Institute of Radiophysics and Electronics, AN UkrSSR)

SUBMITTED: 24May63

ATD PRESS: 3076

ENCL: 00

SUB CODE: EC

NO REF SOV: 005

OTHER: 002

Card 2/2

ACCESSION NR: AP4039721

S/0141/64/007/002/0215/0224

AUTHOR: Bazalyan, L. L.; Bruk, Yu. M.; Zhuk, I. N.; Men', A. V.; Sodin, L. G.; Sharykin, N. K.

TITLE: Wide-band radiointerferometer with electric control of antenna pattern

SOURCE: IVUZ. Radiofizika, v. 7, no. 2, 1964, 215-224

TOPIC TAGS: antenna radiation pattern, antenna switching, radio astronomy, radio interferometer, radio emission

ABSTRACT: A broadband (20 — 40 Mcs) radio interferometer with a 470 meter base, oriented east and west, is described. The interferometer is intended for the investigation of radio emission from discrete sources and the cosmic background in the northern hemisphere by directivity-pattern scanning in a + 90° elevation sector and by using the earth's rotation. The interferometer consists of 220 δ -dipole plane arrays with remote digital control of the directivity pattern in the meridional plane. The description covers the principles underlying the control of the beam and the summation of the signals, the arrangement of the antenna, the control elements, the antenna directivity pattern, the antenna effective area, and the antenna gain. The large base facilitates separation of the source radio

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ACCESSION NR: AP4039721

emission from the cosmic background. The two interferometer antennas are different and can be used separately. The eastern one can be used as a transit instrument. By using the western antenna with beam scanning, it is possible to make two or three records of a source passing through the azimuthal pattern, with intervals of 10 -- 20 minutes. The resolution of the interference diagram is $1.6 - 0.8^\circ$ in direct ascension and $4^\circ - 2^\circ$ in declination, at frequencies 20 -- 40 Mcs. It is recommended that the antennas be used separately for the radio emission of the cosmic background, in which case the resolution is $4 - 2^\circ$ in ascension and $34 - 17^\circ$ in declination for the eastern antenna, and $34 - 17^\circ$ in ascension and $4 - 2^\circ$ in declination for the western antenna (both at 20 -- 40 Mcs). Some precautions necessary in the operation of the interferometer are mentioned. Orig. art. has: 9 figures and 2 tables.

ASSOCIATION: Institut radiofiziki i elektroniki AN UoSSR (Institute of Radio-physics and Electronics, AN UoSSR)

SUBMITTED: 28Apr63

DATE: 02 11:30

ENCL: 02

SUB CODE: AA, EC

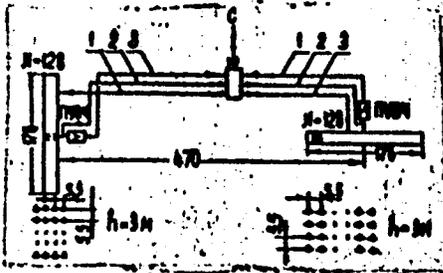
NR REF SOV: 001

OTHER: 003

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ACCESSION NR: AP4039721

ENCLOSURE 101



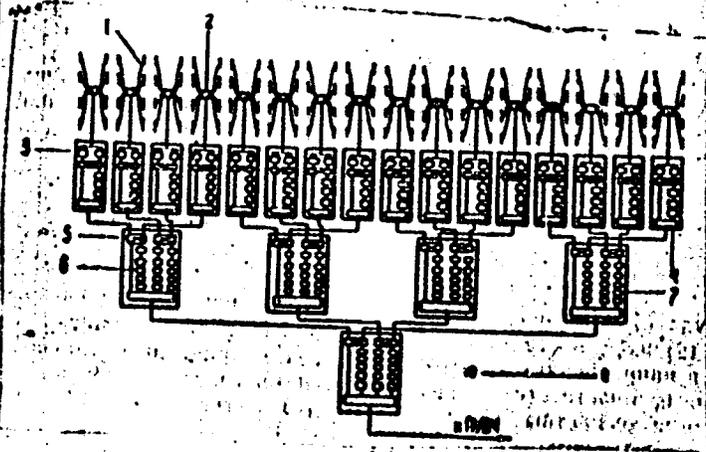
Block diagram of the interferometer
1 - signal, 2 - calibration, 3 -
control of directivity pattern

ПЛБ4 - UHF receiver
C - north
D - south

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ACCESSION NR: AP4039721

ENCLOSURE: 02



Western interferometer antenna
1 - dipole, 2 - underground collector, 3 - junction for four elements, 5 - quadrant switch, 6 - binary switch cell, 7 - phase shifter

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ACCESSION NR: AP5000611

ously at 20, 25, 30 and 35 dB. The signal from each source was recorded separately. The results are presented in a series of graphs, 2 figures and 2 tables. The graphs are at 20° and 30°. Orig. art. has:

ASSOCIATION: Instytut radiofizyki i elektrotechniki AN URSR, Institute of Radio Physics and Electrical Engineering, Academy of Sciences of the USSR

BU NEF SOV: 004

OTNEP

11. 1969

Card 2/2

BAZELYAN, L.L.; BRUK, Yu.M.; ZHUK, I.N.; MEN', A.V.; SHARYKIN, N.K.

Wideband highly directional decameter wave antenna. Elektro-
svyaz' 18 no.5:14-21 My '64 (MIRA 17:8)

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000204110011-1

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000204110011-1"

1. [Illegible]

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4. [Illegible]

5. [Illegible]

1 58385-65

ACCESSION NR. 144-15544

EXEMPT

ENCL: 02

SUB CODE 42

Card

BAZELYAN, L.L.; BRAUDE, S.Ya.; KRYMKIN, V.V.; MEN', A.V.; SODIN, L.G.
[Sodin, L.H.]

Frequency spectra of discrete sources in the decameter radio wave
band. Dop. AN URER no.5:580-583 '65.

1. Institut radiofiziki i elektroniki AN UkrSSR. 2. Chlen-korres-
pondent AN UkrSSR (for Braude). (MIRA 18:5)

BAZELYAN, L.L.; BRAUDE, S.Ya.; VAYSEBERG, V.V.; KRYMKIN, V.V.; MEN', A.V.;
SODIN, L.G.

Study of the spectra of discrete cosmic radio emission sources at
frequencies below 40 Mc. Astron. zhur. 42 no.3:618-628 My-Je '65.
(MIRA 18:5)

1. Institut radiofiziki i elektroniki AN UkrSSR.

V. F. BAZENKOV

V. F. BAZENKOV

PYATILETNIY PLAN KOLKHOZA "ISKRA" № 1951-1955 GODY (THE FIVE-YEAR PLAN OF THE
KOLKHOZ "ISKRA" FOR 1951 to 1955, BY) P. A. KAL'M, V. F. BAZENKOV, V. K. IVANKIN (I DR.)
MOSKVA, SEL'KHOZGIZ, 1952. 221 P. ILLUS., DIAGRS., TABLES.

N/5
783.3
.KI

BAZENKOV, Viktor Fedorovich

[Practical training on the mechanization of stockbreeding
farms] Praktikum po mekhanizatsii zhivotnovodcheskikh ferm.
Leningrad, Kolos, 1965. 231 p. (MIRA 18:10)

BAZENKOVA, K.; GUREVICH, A.

The member of the trade-union province committee. Sev. profsoiuzy
7 no.6:54-55 Mr '59. (MIRA 12:6)

1. Chleny prezidiuma oblastnogo komiteta profsoyusa rabochikh lesnoy
bumazhnoy i dereveobrabatyvayushchey promyshlennosti (g. Perm') (for
Bazenkova, Gurevich). (Perm--Trade unions)

BAZENKOVA, K.I., red.; SURMANOVA, K.G., tekhn. red.

[We are building the Votkinsk Hydroelectric Power Station]My
stroim Votkinskuiu GES. Perm' Permskoe knizhnoe izd-vo,
1961. 142 p. (MIRA 15:8)
(Votkinsk Hydroelectric Power Station)

ЕАЗЕРОВ, Г.И.

Eazarov, G.I. "On some uses of matrices in celestial mechanics", *Eyulleten' In-ta teoret. Astronomii* (Akad. nauk SSSR), Vol. IV, No. 4, 1949, p. 143-68

SO: U-3042, 11 March 53, (Ietopis'nykh Statey, No. 10, 1949).

KUZNETSOV, K.K.; BURSHEYN, M.A.; PEYSAKHOVICH, G.Ya.; BAZER, E.Ya.;
SALATSINSKIY, V.V.; DREGOLENKO, A.S.; RASSOLOV, I.A.

Hopper train with bottom unloading. Gor. zhur. no.4:75 Ap '65.
(MIRA 18:5)

ABRAMSON, Kh.I., inzh.; BAZER, Ya.I., inzh.

Machine for loading mining bulk. Mekh. i avtom. proizv. 19 no.4:
39 Ap '65. (MIRA 18:6)

CHUGUNIKHIN, Sergei Ivanovich; STALIN, Viktor Mikhailovich; POVOLOTSKIY,
Igor' Aleksandrovich; ABMORSHEV, Valentin Ivanovich; ~~BAZEB, Iakov~~
~~Isayevich~~; LADYGIN, A.M., redaktor; ANDREYEV, G.G., tekhnicheskij
redaktor

[Mine rock and coal loading machines] Shakhtnye porodopogruzochnye
i uglepogruzochnye mashiny. Moskva, Ugletekhizdat, 1955. 379 p.
(Coal mining machinery) (MLBA 8:11)

DAZAR, J. L.

V 2074. EXPERIENCE IN MECHANIZED DRIVING OF AN INCLINE. *Boris, Ya. L.*
(Ugcl (Coal, Moscow), Apr. 1955, 39, 50). An illustrated description and
FU a work table are given for the PMU-1 loader, which is capable of working on
a down grade of 25°. (L).

BAZER, Yakov Isayevich; CHUGUNIKHIN, Sergey Ivanovich; SHOROKHOVA, A.V.,
stv.red.; BERDZ, A., tekhn.red.; PROZOROVSKAYA, V., tekhn.red.

[PMU-2 loading machine] Pogrushchnaia mashina PMU-2. Moskva,
Ugletekhnizdat, 1959. 219 p. (MIRA 12:8)
(Coal-handling machinery)

BAZER, Ya., insh.

New cutter-loader. Mast. u. l. 9 no. 19:24 0'60. (MIRA 13:10)
(Coal mining machinery)

BAZER, Ya.I.

Mining inclines with the help of the PMU-2 loading machine.
Gor. zhur. no.5:73-74 My '64. (MIRA 17:6)

1. Gosudarstvennyy proyektno-konstruktorskiy i eksperimental'nyy
institut ugol'nogo mashinostroyeniya.

BAZER, Ya.L., inzh.; KORSHUNOV, Ya.V., inzh.; ZVEKOV, VA.

PMB-3 self-propelled loader. Gor. zhur. no.6:55-56
Je '62. (MIRA 15:11)

1. Gosudarstvennyy proyektno-konstruktorskiy i eksperimental'nyy institut ugol'nogo mashinostroyeniya (for Bazer, Korshunov).
2. Institut gornogo dela im. Skochinskogo, Moskva (for Zvekov).
(Mining machinery)

AKOPYAN, S.O.; BAZEV, N.S.; DEMINA, A.V.; SHAYEVSKIY, Yu.I.; YUPEROV, Yu.K.

Development of the layer D₁ in the Shkapovo oil field.

Nefteprom. delo no.6:3-8 '63.

(MIRA 16:10)

1. Neftepererabatyvayushcheye upravleniye "Aksakovneft'."
(Shkapovo region—Petroleum production)

OVANESOV, M.G.; BAZEV, N.S.

Studying the features of flooding and a method for improving the present status of the development of reservoir D-IV of the Shkapovo oil field. Trudy MINKHIGP no.48:274-279 '64.

(MIRA 18:3)

BAZNVICHUS, I.M., glavny inshener fabriki; SHURKO, V.I., nachal'nik
otdelochnogo tsekha; PAULAUSEAS, A.P., inshener.

Heavy woollens produced by the "Litkssas" factory. Tekst.prom-
14 no.11:6-7 N '54. (MLBA 8:1)
(Lithuania--Woolen and worsted manufacture)

RAILKO, G.A.; BAZEYEV, Ye.T.

Industrial cyclone furnace. Energ. i elektrot'skh. prom. no.1:
18-20 Ja-Mr '63. (MIRA 16:5)

(Furnaces)

BAZEYEV, Ye. T.

Utilization of weakly caking coals in power engineering.
Energ. i elektrotekh. prom. no.2:32-34 Ap-Je '63.
(MIRA 16:7)

1. Institut teploenergetiki AN UkrSSR.
(Fuel) (Coal)

BELOKON', S.M., inzh.; BAZEYEV, Ye.T., inzh.

Investigation of the effect of the operation of an industrial furnace working as a generator of a solid heat carrier on the combustion temperature. Energ. i elektrotsekh. prom. no.1: 15-16 Ja-Mr'64. (MIRA 17:5)

BAZEYEV, Ye.T.; BELOKON', S.M.; KORMYSHEV, V.V.

Utilization of Lvov-Volyn' Basin coals as fuel and source of
chemicals. Khim i tekhn. topl. i masel 9 no.3:41-44 Mr'64
(MIRA 17:7)

BAZEV, Ye.T.; BELOKON', S.M.; FILONENKO, Yu.Ya.; SHCHEGOLEV, G.M.

Dust removal from gases in the precondensers of industrial
power systems. Khim. i tekhn. topl. i masel 10 no.3:37-41
Mr '65. (MIRA 18:11)

POPOV, V.D.; BAZHAL, I.G.

Use of the conductometric method for determining the volume
of crystals in massecuite. *Izv.vys.ucheb.zav.; pishch.tekh.*
no.2:136-141 '59. (MIRA 12:8)

1. Kiyevskiy tekhnologicheskiy institut pishchevoy promyshlen-
nosti.

(Sugar manufacture) (Conductometric analysis)

POPOV, V.D.; BAZHAL, I.G.

Instrument for determining the optimum saturation coefficient
in the cooking of massecuite. Sakh.prom. 34 no.9:14-17 S
'60. (MIRA 13:9)

1. Kiyevskiy tekhnologicheskij institut pishchevoy promy-
shlennosti.

(Sugar manufacture)

POPOV, V.D.; BAZHAL, I.G.

Instrument for determining the volume concentration of crystals in
massecuite. Izv.vys.ucheb.zav.; pishch.tekh. no.4:154-157 '60.
(MIRA 13:11)

1. Kiyevskiy tekhnologicheskii institut pishchevoy promyshlennosti.
Kafedra spetsoborudovaniya.
(Sugar manufacture)

BAZHAL, I. G.

Cand Tec Sci, Diss -- "Investigation of the interrelationship of heat exchange and crystallization in sugar syrup vacuum equipment and improving their design". Voronezh, 1961. 25 pp with graphics, 22 cm (Min of Higher and Inter Spec Educ RSFSR. Voronezh Technol Inst), 150 copies, Not for sale (KL, No 9, 1961, p 181, No 24325). [61-54859]

POPOV, V.D.; BAZHAL, I.G.

Relation between heat and mass transfer in the cooking of
sugar masecutes. Izv.vys.ucheb.zav.;pishch.tekh. 1:101-105
'61. (MIRA 14:3)

1. Kiyevskiy tekhnologicheskii institut pishchevoy promyshlennosti,
Kafadra spetsoborudovaniya.
(Sugar manufacture) (Heat-Transmission)
(Mass transfer)

POPOV, V.D.; BAZHAL, I.G.

Kinetics of massecuite boiling. Izv. vys. ucheb. zav.; pishch.
tekh. no. 2:136-143 '61. (MIRA 14:5)

1. Kiyevskiy tekhnologicheskiy institut pishchevoy promyshlennosti.
Kafedra spetsoborudovaniya. (Sugar manufacture)

BAZHAL, I.G.

Design of vacuum apparatuses based on the interrelation of heat
exchange and crystallization. Trudy KTIPP no.24:97-110 '61.
(MIRA 15:6)

(Vacuum apparatus--Design and construction)
(Sugar manufacture)

YEREMENKO, B.A.; TSENZURA, A.I.; BAZHAL, I.G.; SUSOROV, B.G.; SOLLOGUB,
A.A.; BELIK, Yu.N.

Automation of evaporation sections. Sakh. prom. 35 no.11:39-45
N '61. (MIRA 15:1)

1. TSentral'nyy nauchno-issledovatel'skiy institut sakharnoy promyshlennosti (for Yeremenko, TSenzura, Bazhal, Susorov).
2. Ust'-Labinskiy zavod (for Sollogub, Belik).
(Sugar machinery) (Automation)

YEREMENKO, B.A.; TSENZURA, A.I.; BAZHAL, I.G.; SUSOROV, B.G.

Method of controlling water feed to the evaporation plant. Sakh.
prom. 36 no.5:29-35 My '62. (MIRA 15:5)

1. Tsentral'nyy nauchno-issledovatel'skiy institut sakharnoy
promyshlennosti.

(Sugar manufacture—Equipment and supplies)
(Automatic control)

BAZHAL, I.G.

Laboratory testing of the flow measuring method for the automatic control of masscuite pan boiling. Sakh.prom. 37 no.6:35-39 Je '63. (MIRA 16:5)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR.
(Sugar manufacture)

BAZHAL, I. G.

"The relation between heat and mass transfer of crystallizing dispersed systems."

report submitted for 2nd All-Union Conf on Heat & Mass Transfer, Minsk, 4-12 May 1964.

Inst of General & Inorganic Chemistry, AS USSR.

BAZHAN, A.P.; PARFENENKO, L.S.; S. EVCHENKO, A.M.

Investigating air dustiness during the sinking of vertical shafts.
Bezop. truda v prom. 7 no.12:26-27 D '63.

(MIRA 18:7)

PARFENENKO, L.S.; BAZHAN, A.P.

Dust in the air during the sinking of vertical shafts in the Krivoy Rog Basin. Bor'ba sil. 5:203-206 '62. (MIRA 16'5)

1. Krivorozhskiy filial Ukrainskogo nauchno-issledovatel'skogo instituta organizatsii i mekhanizatsii shakhtnogo stroitel'stva. (Krivoy Rog Basin—Shaft sinking) (Mine dusts)

BAZHAN, A.P., inzh.; PARFENENKO, L.S.; SHEVCHENKO, A.M., kand. med. nauk X

Dust control measures during the sinking of vertical shafts.
Bor'ba s sil. 6:92-96 '64 (MIRA 18:2)

1. Krivorozhskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta organizatsii i mekhanizatsii shakhtnogo stroitel'stva (for Bazhan, Parfenenko). 2. Krivorozhskiy nauchno-issledovatel'skiy institut gigiyeny truda i professional'nykh zabolevaniy (for Shevchenko).

BAZHAN, A.S.

Anaphylactic reaction with desensitization in swine plague.
Dokl. Akad. sel'khoz. 23 no.10:42-45 '58. (MIRA 11:10)

1. Vsesoyuznyy institut eksperimental'noy veterinarii. Predstavlena
akademikom S.N. Mironovym.
(Swine plague)

BAZHAN, Antonina Vasil'yevna; KOSTYUKOVETS, F.T., red.; MORGUNOVA,
G.M., tekhn.red.

[Statistics of national income; textbook] Statistika
natsional'nogo dokhoda; uchebnoe posobie. Minsk, Izd-vo
M-va vysshego, srednego spetsial'nogo i professional'nogo
obrazovaniia BSSR, 1962. 23 p. (MIRA 15:5)
(Income-Statistics)

BAZHAN, Antonina Vasil'yevna; SMIRNOVA, K.M., red.; MORGUNOVA,
G.M., ~~CEKH~~ Fed.

[Statistics of capital construction] Statistika kapital'no-
go stroitel'stva. Minsk, Izd-vo M-va vysshego, srednego
spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 55 p.
(MIRA 16:5)

(Construction industry--Statistics)

MERKULOV, Nikolay Semenovich, shofer; BAZHAN, Ivan Nikiforovich,
shofer; GRAKHOVSKAYA, T.M., red.; GORYACHKINA, R.A.,
tekhn. red.

[Gas-tank trucks work round-the-clock. As told to M.S.
Blanter] Benzovozy rabotaiut kruglosutochno: Literaturnaia
zapis' M.S.Blantera. Moskva, Avtotransizdat, 1963. 29 p.
(MIRA 17:3)

BAZHAN, M.P.

USSR/ Miscellaneous - Literature

Card 1/1 Pub. 138 - 1/10

Authors : Bazhan, M.P., Act. Memb. of Acad. of Sc. Ukr. SSR

Title : ~~Beneficial~~ Beneficial influence of Russian literature on the development of Ukrainian literature

Periodical : Visnik AN URSR 5, 3-15, May 1954

Abstract : The contributions of Russian literature to the development of Ukrainian literature since the unification of the two countries in 1654 are emphasized.

Institution:

Submitted:

BAZHAN, M.P., glav. red.; PIDOPLICHKO, I.G. [Pidoplichko, I.H.], zam.
glav. red.; LOS', I.M., tekhn. red.

[Ukrainian Soviet encyclopedia] Ukrains'ka Radians'ka Entsyklopediia.
Holovna red. M.P.Bazhan ta inshi. Kyiv, Holovna red. Ukrains'koi ra-
dians'koi entsyklopedii. Vol.5. IE - Italiy. 1960. 560 p. (MIRA 14:9)

(Encyclopedias and dictionaries, Ukrainian)

AUTHOR: Pashan, P.B., Secretary of Party Cell
 TITLE: Not Only to Teach, but also to Educate (Part 1) (Khalil, 1968, 1 vospityvat')
 PERIODICAL: Vestnik vysshey shkoly, 1968, Nr 7, pp 50-51 (USSR)
 ABSTRACT: The author describes the political education and indoctrination of students of the Dnepropetrovsk Mining Institute imeni Artem. All new students were divided into groups and each group received a political agitator, usually one of the professors or teachers. All indoctrination is calculated to leave less leisure time. Special talks of professional matter are organized. Famous scientists of the mining industry, Academicians A.K. Terpigorev, A.S. Skochinskiy, former pupils of the institute - vice-president of the AS of the Ukrainian SSR N.I. Lamerenko, Minister of Building of the Coal Industry of the USSR G.V. Krasnikovskiy, and others talked to the students. To help the students' scientific society, the party committee delegated a communist, Professor F.A. Abramov, who, together with the chairman of the society, P.V. Kryukov, is investigating ways of further improving the work of the society.

Card 1/2

Not Only to Teach, but Also to Educate

19-14/36

ASSOCIATION: Dnepropetrovskiy gos. Institut Ireni Artena (The Dnepropetrovsk Mining Institute Ireni Artena)

Card 2/2

BAZHAN, P.P.

How we achieved supremacy in the all-Union socialist competition.
Vest.sviazi 15 no.11:18-19 N '55. (MIRA 9:8)

1.Nachal'nik Kiyevskogo tsentral'nogo telegrafa.
(Kiev--Telegraph)

BAZHAN, P.P.

Introduction of direct connection systems on telegraph networks of
the Ukraine. Vest. svyazi 20 no.11:14-16 N '60. (MIRA 13:12)

1. Nachal'nik Kiyevskogo Tsentral'nogo telegrafa.
(Ukraine--Telegraph)

BAZHAN, P.P.

We are introducing new technological means in telegraph communications.
Vest.sviazi 21 no.10:12 0 '61. (MIRA 14:10)

1. Nachal'nik Kiyevskogo tsentral'nogo telegrafa.
(Telegraph)

BAZHAN, P.P.

Therapeutic apparatus at the Kiev central telegraph. Vest.
sviazi 21 no.5:24 My '61. (MIRA 14:6)

1. Nachal'nik Kiyevskogo tsentral'nogo telegrafa.
(Air, Ionized)
(Sun baths)

BAZHAN, S., dots., kand.tekhn.nauk

Progressive methods of organizing construction. Sel'.stroj. 13 no.2:
14-17 F '59. (MIRA 12:3)

1. Gor'kovskiy inzhenerno-stroitel'nyy institut.
(Building)

BAZHAN, S., kand.tekhn.nauk

Experience of the cities is available for rural areas.

Sel'. stroi. [i.e.16] no.3:8 Mz '62.

(MIRA 15:7)

(Perm Province--Rural planning)

BAZHAN, S., dotsent

Twenty houses in fifty days. Sel'stroi. 15 no.1:10-12 Ja '60.
(MIRA 15:7)

1. Gor'kovskiy inzhenerno-stroitel'nyy institut imeni
V.P. Chkalova.

(Smolensk Province--Farmhouses)

BAZHANBEK E. A., KOCHERGA, F. K.

UZBEKISTAN - AFFORESTATION

Regrettable shortcomings in a useful book. ("Binding and afforesting Uzbekistan sands."
Ye. A. Bezhanbek, F. K. Kocherga, Reviewed by Prof. M. P. Petrov, B. S. Novikov.) Les .
khoz. 5 no. 9. September 1952

Monthly List of Russian Accessions, Library of Congress, November 1952. Unclassified.

BAZHANOV, Aleksandr Nikolayevich; BOTSMANOV, K.V., red.; NEYMAN, M.I.,
red.; BASHMAKOV, G.M., tekhn. red.

[Tuberculosis will be defeated]Tuberkulez budet pobezhden;
sovety vracha kolkhozniku. Moskva, Medgiz, 1962. 29 p.
(MIRA 16:1)

(TUBERCULOSIS)

BAZHANOV, A.N., vrach.

Role of medical nurses in tuberculosis prevention in a village.
Med.sestra 21 no.10:12-17 0 '62. (MIRA 16:4)
(NURSES AND NURSING) (TUBERCULOSIS—PREVENTION)

BAZHANOV, A.N.

Histochemical characteristics of laws regulating the morphogenesis of the human esophageal epithelium in ontogeny and under experimental conditions. Arkh. anat., gist. i embr. 49 no.9:40-45 S '65.
(MIRA 18:12)

1. Kafedra gistologii i embrilogii (sav. - prof. Z.S.Khlystova)
Orenburgskogo meditsinskogo instituta. Submitted September 1, 1964.

BAZHANOV, A.P.

USSR/Miscellaneous - Communications

Card 1/1 Pub. 133 - 14/24

Authors : Bazhanov, A. P., and Alatortsev, P. I.

Title : Postal and telegraph services for settlers of new regions

Periodical : Vest. svyazi 6, 24-25, June 1954

Abstract : The establishment of mechanized postal and telegraph services for far-off new farming settlements in the Kazakh-SSR and Bashkir-ASSR is described. The construction of 10 independent radio-transmitting and relay stations to serve the new settlements is anticipated. Illustrations.

Institution : The Ministry of Communications, USSR

Submitted : ...

RUBTSOV, M.K., kand.sel'skokhoyaystvennykh nauk (Moskva);
BAZHANOV, B.D., inzh. (Moskva); BELYAYEV, G.S., ekonomist (Moskva)

Pressing problems of agricultural electrification. Elektrichestvo
no.6:1-5 Je '62. (MIRA 15:6)

(Rural electrification)

BAZHANOV, B.G. (Saratov).

Effect of physical exercises upon carbohydrate metabolism in diabetes mellitus
Klin.med. 31 no.10:80-82 0 '53. (MLRA 6:11)

1. Iz kliniki gospiatal'noy terapii (direktor - professor L.S.Shvarts) Saratovskogo meditsinskogo instituta.
(Carbonhydrate metabolism) (Diabetes)

BAZHANOV, B.G.

Exercise therapy in the treatment of diabetes mellitus. Vop.kur.,
fisioter. i lech.fiz.kul't. no.4:80 O-D '55. (MIRA 12:12)

1. Vypolnena v klinike gosital'noy terapii Saratovskogo meditsinskogo
instituta. Rukovoditel' - prof. L.S. Shvarts.
(DIABETES) (EXERCISE THERAPY)

ACCESSION NR: AT4010741

S/2839/63/000/002/0025/0040

AUTHOR: Bazhanov, B. G. (Engineer)

TITLE: A study of the mechanical properties of aluminum alloys for structural components

SOURCE: ASIA SSSR. Institut stroitel'ny*kh konstruksiy. Stroitel'ny*ye konstruksii iz alyuminiyevy*kh splavov, no. 2, 1963, 25-40

TOPIC TAGS: alloy D16-T, alloy V92-T, alloy AV-T1, alloy AD33-T1, alloy AD35-T1, alloy AMg61, duralumin, magnalium, stress-deformation diagram, structural aluminum, heat hardened aluminum alloy, aluminum alloy, aluminum magnesium silicon alloy, aluminum zinc magnesium alloy

ABSTRACT: The purpose of this study was to plot stress-deformation diagrams for aluminum alloys and to determine their comparative mechanical properties under stress and compression. Studied were duralumin alloy D16-T, alloy V92-T (Al-Zn-Mg), alloys AV-T1, AD33-T1 and AD35-T1 (all in the Al-Mg-Si series), as well as magnalium alloy AMg61. The deformation range covered in plotting the diagrams did not exceed 2-3%. Procedure, specimen details and testing equipment are described. The diagrams obtained are included and results are presented in tabular form. It is concluded that the compression diagram for D16-T differs substantially in its appearance from the corresponding stress diagram. The

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ACCESSION NR: AT4010741

former shows a more developed transition curve from the proportionality threshold to the nominal yield point, as well as a greater value of the relative tangential modulus in the plastic stage. Yield point and proportionality threshold are significantly lower for compression. The mean arithmetic ratio $\frac{\sigma_p^c}{\sigma_{ps}}$ and $\frac{\sigma_{0.2}^c}{\sigma_{0.2}^s}$ are 0.69 and 0.85, respective-

ly. Configuration and mechanical properties were nearly coincident on diagrams for alloys V92-T and AMg61: the modulus value $\theta \leq 0.1$. Diagrams for alloys AV-T1, AD33-T1 and AD35-T1 show nearly identical configurations and proximate values for mechanical properties. Modulus $\theta < 0.04$. The mean arithmetic ratio of the proportionality threshold to the nominal yield point for the named alloys varied from 0.65 to 0.88 for stress and 0.7 to 0.83 for compression. The author notes that it exceeded in all cases the value of 0.5 accepted in the TUSN 113-60 standard for rating strength of eccentrically compressed rods in the presence of plane deflection. The mean arithmetic ratio of the nominal yield point to tensile strength for alloy AMg61 (unhardened) was 0.49 for elongation and ranged from 0.59 to 0.92 for the named heat hardened alloys. Orig. art. has: 6 graphs, 2 illustrations, 4 tables and 2 formulas.

ASSOCIATION: Institut stroitel'nykh konstruktsey, Asiya SSSR (Institute for Structural Components, ASIA SSSR)
Card 2/3

BAZHANOV, B.G.

Reaction of the insular apparatus of the pancreas to extreme physical stress. Trudy KirgNOAGE no.2:64-67 '65.

(MIRA 18:11)

1. Iz kafedry gistologii (zav. - prof. A.A.Braun) i kafedry gosital'noy terapii 5-go kursa (zav. - dotsent B.G.Bazhanov) Kirgizskogo gosudarstvennogo meditsinskogo instituta.

BAZHANOV, B.G.

Reaction of the adrenal glands, thyroid gland and hypophysis to extreme physical stress. Trudy KirgNOAGE no.2:67-68 '65.

(MIRA 18:11)

1. Iz kafedry patologicheskoy anatomii (zav. - prof. B.P.Malyshov) i kafedry gospital'noy terapii 5-go kursa (zav. - dotsent B.G. Bashanov) Kirgizskogo gosudarstvennogo meditsinskogo instituta.

33275 BAZHANOV B. N. and BASHLYKOV, M. K.

Innervatsiya sosudov goleni u cheloveka. Soobshch. 1. sbornik trudov (Arkhang. gos. med. in-t), vyp. 9, 1949, s. 41-45. - Bibliogr: 8 nazv.

33274 BAZHANOV, B. N.

K voprosy ob podkovoobraznoy pochke. Sbornik trudov (Arkhang. gos. med. in-t), vyp. 9, 1949, s. 102-06. - Bibliogr: 9 nazv.

USSR / Human and Animal Morphology, Normal and Pathologic -- General Problems S-1

Abs Jour: Ref Zhur-Biol., No 13, 1958, 59767

100 percent and the posterior branch, in 97 percent of the cases. The diagram is constructed thus: 1) draw the line glabella-portion from the center of the glabella to the center of the portion; 2) erect a perpendicular from the center of this line; 3) 1-2 centimeters behind the point at which the perpendicular intersects the glabella-portion line is the junction point of the main trunk; 4) on the perpendicular itself, 1-1.5 centimeters from its base, is the junction point of the anterior branch; 5) the junction point of the posterior branch of the artery is located on a vertical line drawn through the center of the portion, 1.5-2 centimeters above the portion. The most accurate method for projecting the fissure

Card 2/4

USSR / Human and Animal Morphology, Normal and Patho- S-1
logic -- General Problems

Abs Jour: Ref Zhur-Biol. , No 13, 1958, 59767

the anterior horn is located 5-6 centimeters
in front of the vertical line, and the end of the
posterior horn, 3-4 centimeters in back of the
vertical line. The inferior horn is often (60-70
percent of the time) projected 4-5 centimeters
above the acoustic duct. Methods for approaching
the IV ventricle and those of sinus venosus to-
pography, were also developed. --T. N. Uliissova

Card 4/4

2

USSR / Human and Animal Morphology, Normal and Pathological.
Nervous System.

S

Abs Jour : R Zh Biol., No 21, 1958, No 97070

Author : Bazhanov, B.N.
Inst : Arkhangelsk Medical Institute
Title : On the Question of Hip Joint Innervation.

Orig Pub : Sb.tr. Arkhng.med.in-t, 1957, vyp. 17, 102-107

Abstract : The literature data on the innervation of the hip joint were corroborated by the examination of 30 hip joints of children and adults. The question of the role played by the superior gluteal and pudental nerves remains debatable.

Card 1/1

22

BAZHANOV, K.V., assistant

Use of linear programming methods in organizing field survey
work. Izv. vys. ucheb. zav.; geod. i aerof. no.3:121-130 '63.
(MIRA 17:1)

1. Moskovskiy institut inzhenerov geodezii, aerofotos"yemki
i kartografii.

BAZHANOV, K.V.

Graphic method for calculating loads in erecting signals.
Geod. i kart. no.8:28-33 Ag '65. (MIRA 18:9)

KOCHNEV, M.I.; OKUNEV, A.I.; MYASNIKOV, P.A.; VERMENICHEV, S.A.;
SERGIN, B.I.; BAZHANOV, L.N.

Smelting sulfide materials in an oxygen-enriched flame
without the use of a carbonaceous fuel. Trudy Inst. met.
UFAN SSSR no.8:33-42 '63. (MIRA 17:9)

137-58-6-11960

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 110 (USSR)

AUTHORS: Myasnikov, P.A., ~~Bazhanov~~, L.N.

TITLE: Improving the Cross-sectional Shape of Reverberatory Copper Furnaces (Ratsional'nyy poperechnyy profil' medeplavil'noy otrazhatel'noy pechi)

PERIODICAL: Byul. tsvetn. metallurgii, 1957, Nr 18, pp 18-23

ABSTRACT: Special experiments were conducted to determine the rate of smelting of the charge in a reverberatory furnace. At 3 points along the bank, longitudinally in the furnace (at distances of 7.2, 14.4, and 18.6 m from the front wall), the charge was smelted in boxes made of roofing iron sunk into the bank flush with its surface. Temperature change was monitored by two thermocouples in each box. Investigations showed three sharply-defined zones to exist vertically in the layer of charge on the banks during the heat: a drying zone, a heating zone, and a zone of fusion. In the drying zone there is a very slow rise to 100°C; in the heating zone a rise to 900° proceeds 5 times as fast (in 5 min); there is virtually no change in temperature in the zone of fusion. The thickness of the drying zone

Card 1/2

137-58-6-11960

Improving the Cross-sectional Shape of Reverberatory Copper Furnaces

(at the flue end of the furnace) is ~ 50 mm, while the heating zone is 10 mm thick and the zone of fusion is 6 mm thick. At the firing end the thicknesses are, respectively, 5.5, 4.5 and 1 mm, i.e., considerably less, a fact that is explained by the greater emission of heat by the flame there. The mean rate of fusion along the entire length of the bank is $435 \text{ kg/m}^2\cdot\text{hr}$. Along the height of the bank, the maximum rate of fusion is that in the middle portion. The mean heat absorption of the molten bath is $34,000 \text{ kcal/m}^2\cdot\text{hr}$, and that of the banks is $118,000 \text{ kcal/m}^2\cdot\text{hr}$ as determined by calculations and measurements. The general conclusion from the results of the investigation is that the bath is poorly heated and does a bad job of separating matte from slag, discharging rich waste slags (0.46-0.56% Cu). To improve the work of the furnace and increase its productivity, it is proposed to broaden the upper portion of the furnace and the roof, designing the side walls to slope, and to run the heat with a thin layer of slag on the banks, which would broaden the surface of the molten bath and improve the heating thereof.

A.P.

1. Copper ores--Processing
2. Furnaces--Performance
3. Furnaces--Design
4. Thermocouples--Applications

Card 2/2

BAZHANOV, M.S.; KHVOSTIKOV, N.Ye.

Shortening the work week at the May First Automatic Bakery. Khleb. 1
kond. prom. 1 no.3:30-31 Mr '57. (MIRA 10:4)

1. Khlebosavod-avtomat imeni 1 maya Moskovskogo gorodskogo tresta
Roaglavkhleba.
(Hours of labor) (Moscow--Bakers and bakeries)

BAZHANOV, N.N.

BAZHANOV, N.N. (Moskva)

First aid in fractures of the maxilla. Vol'd. 1 akush. no.6:
31-34 Je '54. (MIRA 7:7)

(MAXILLA, fractures

*first aid)

(FRACTURES

*maxilla upper, first aid)

BAZHANOV, N. N.

BAZHANOV, N. N. : "The Problem of Preparing Patients for Surgical Operations in Stomatology and Emergency Surgery." Min Health RSFSR. Moscow Medical Stomatological Inst. Moscow, 1956. (Dissertation for the Degree of Candidate in Medical Science)

So: Knizhnaya Letopis', No. 19, 1956.

BAZHANOV, N.N. (Moskva)

~~How to control complications following teeth extraction. Fel'd.~~
1 akush. 21 no.3:26-30 Mr '56. (MLRA 9:7)
(~~TEETH--EXTRACTION~~)

BAZHANOV, N.N., kand. med. nauk.

Nitrous oxide anesthesia in stomatological practice. Stomatologiya
38 no.1:58-59 Ja-F '59. (MIRA 12:3)

1. Iz stomatologicheskoy kliniki (zav. - prof. I.M. Starobinskiy)
I Moskovskogo meditsinskogo instituta imeni I.M. Sechenova.
(STOMATOLOGY) (NITROUS OXIDE)

BAZHANOV, N.N., kand.med.nauk

Plasmocytomas of the jaws. Stomatologia 40 no.2139-41 Mr-Apr '61.
(MIRA 14:5)

1. Iz stomatologicheskoy kliniki (zav. - prof. I.M.Starobinskiy)
I Moskovskogo meditsinskogo instituta.
(JAWS--TUMORS)

BAZHANOV, N.F.

Use of adrenaline in stomatology. Stomatologiya 42 no.4:81-83
Jl-kg'63 (MIRA 17:4)

1. Iz stomatologicheskoy kliniki I Moskovskogo meditsinskogo
instituta (sav. - dotsent T.N. Sokolova) na baze Moskovskoy
gorodskoy klinicheskoy bol'nitsy No.24 (glavnyy vrach V.P.
Uspenskiy).

BAZHANOV, N.N.; ALEKSANDROV, V.N.; AL'TOV, A.D.

Control of the adequacy of pulmonary ventilation in patients
during maxillofacial surgery under intubation anesthesia.
Trudy 1-go MMI 44:23-28 '65. (MIRA 18:12)